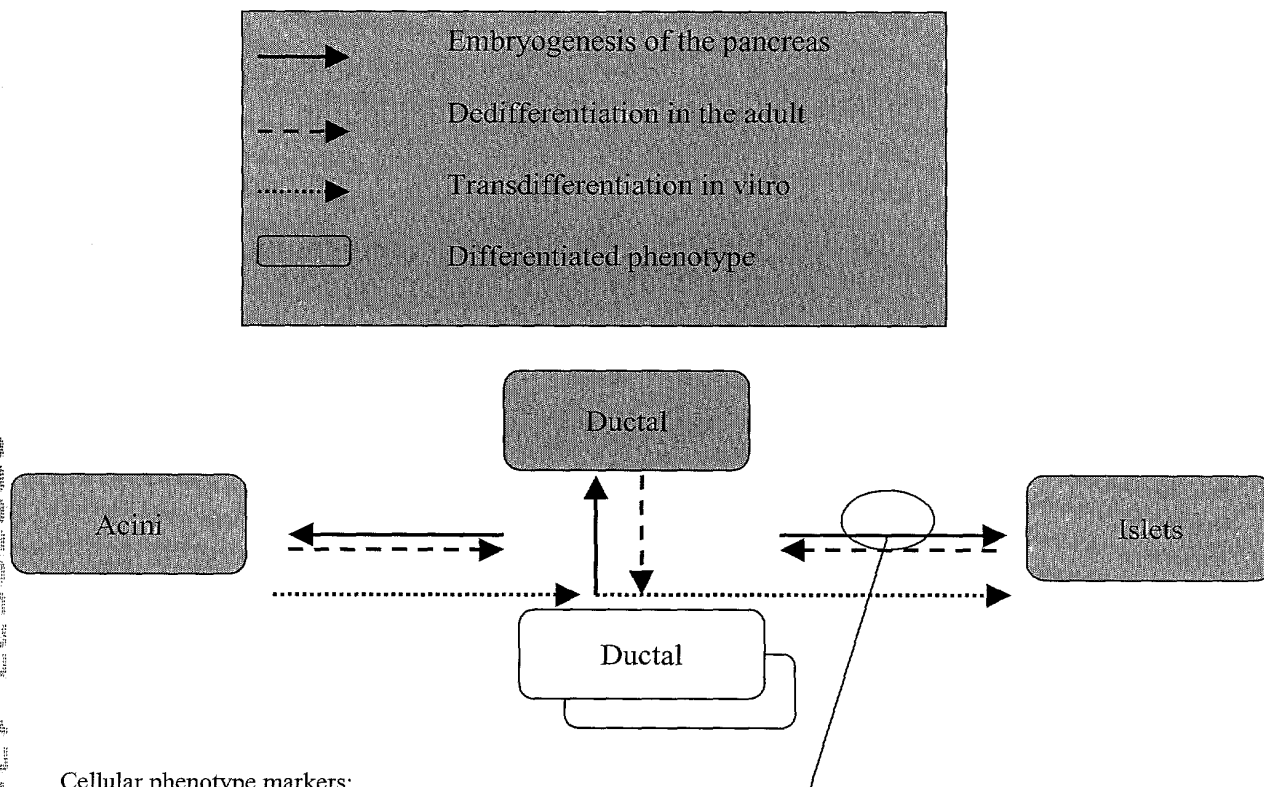


#5

Figure 1. Neogenesis of the pancreatic cells and cellular phenotype markers

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Cellular phenotype markers:

Amylase
Xymogen
Lipase

Cytokeratin 19
Carbohydrate antigen 19-9
Cytokeratin 7
CFTR (cystic fibrosis trans-activating membrane receptor)
Carbonic Anhydrase

(Endocrine precursor)
IPF-1/cytokeratin 19 or 7
Synaptophysin/cytokeratin 19 or 7
FGF9.5/cytokeratin 7 or 19

Insulin
Glucagon
Somatostatin
Pancreatic Polypeptide
Chromogranin A
Synaptophysin
Chromogranin A
N-specific enolase
PGP 9.5

Figure 2. Diagram of the process of preparation of insulin secreting cells

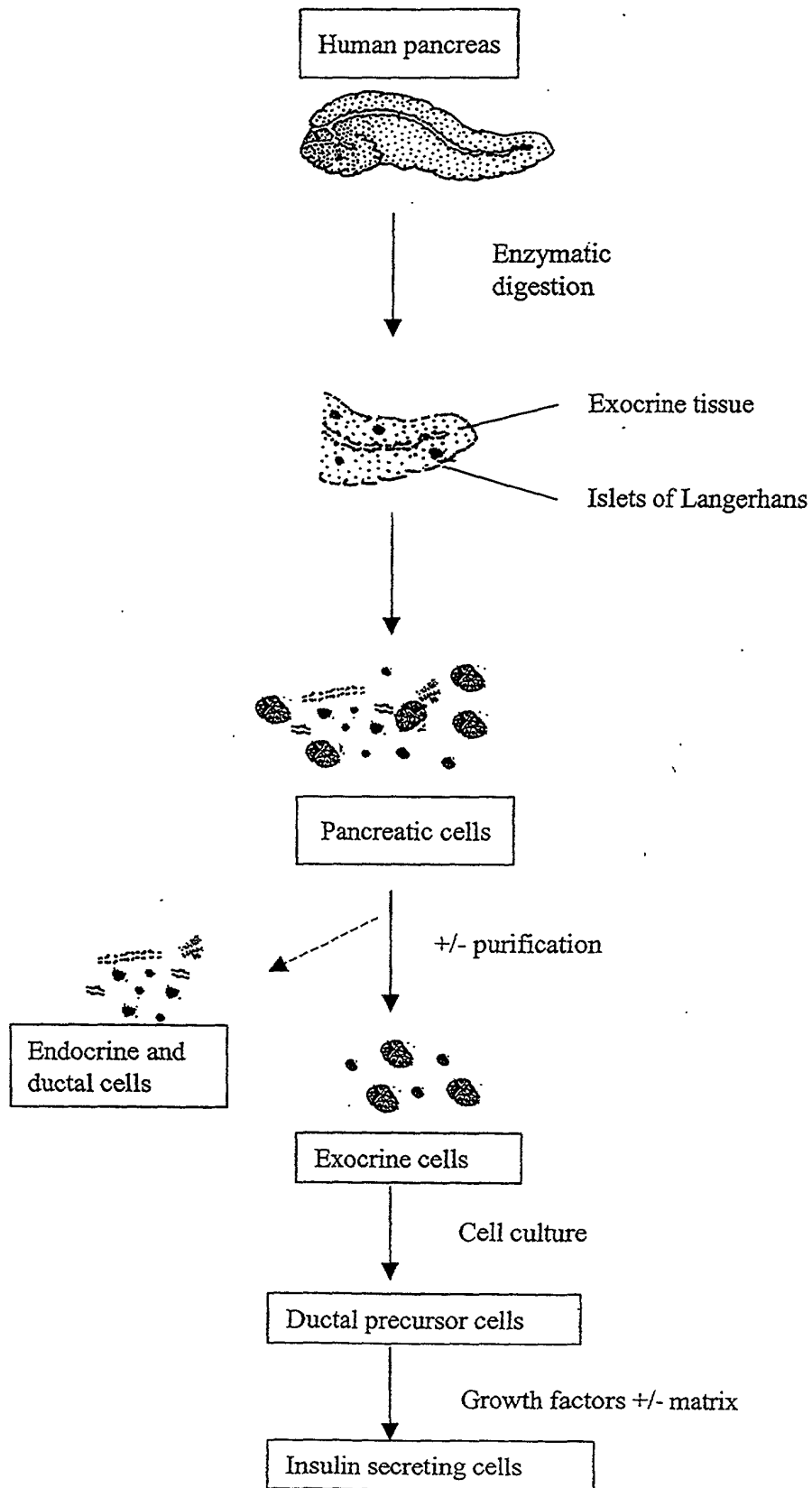


Figure 3. Protein expression during 14 days of culture of the human exocrine preparations (A and B, mean \pm SEM based on n=5)

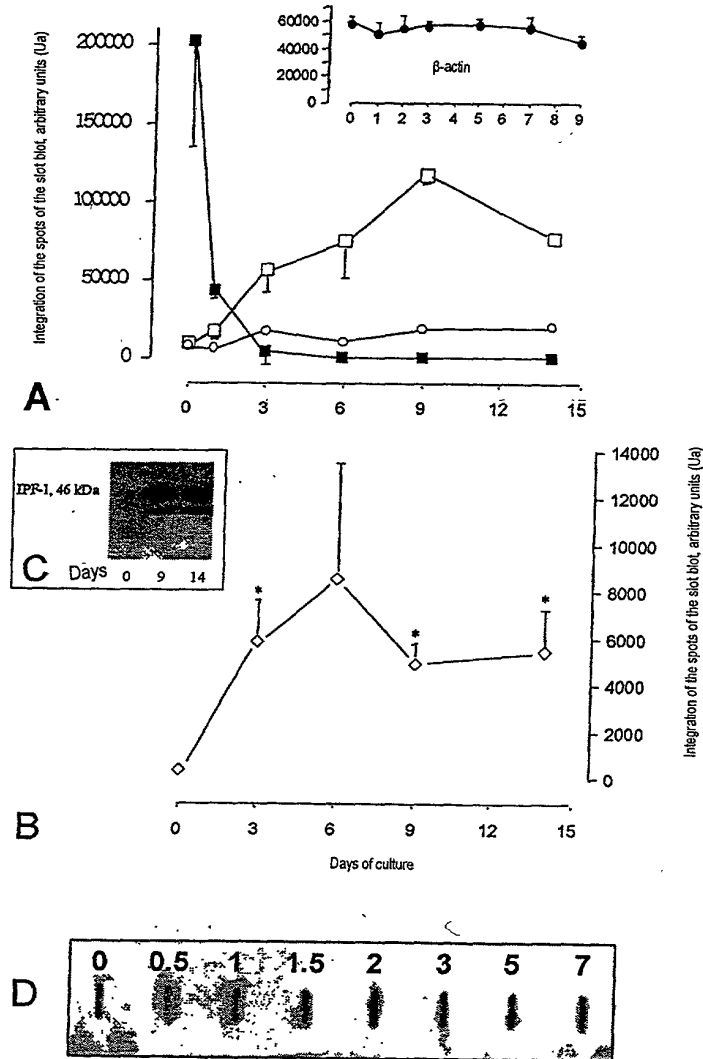


Figure 4. RT-PCR analyses on the expression of IPF-1 in the course of culturing of the preparations

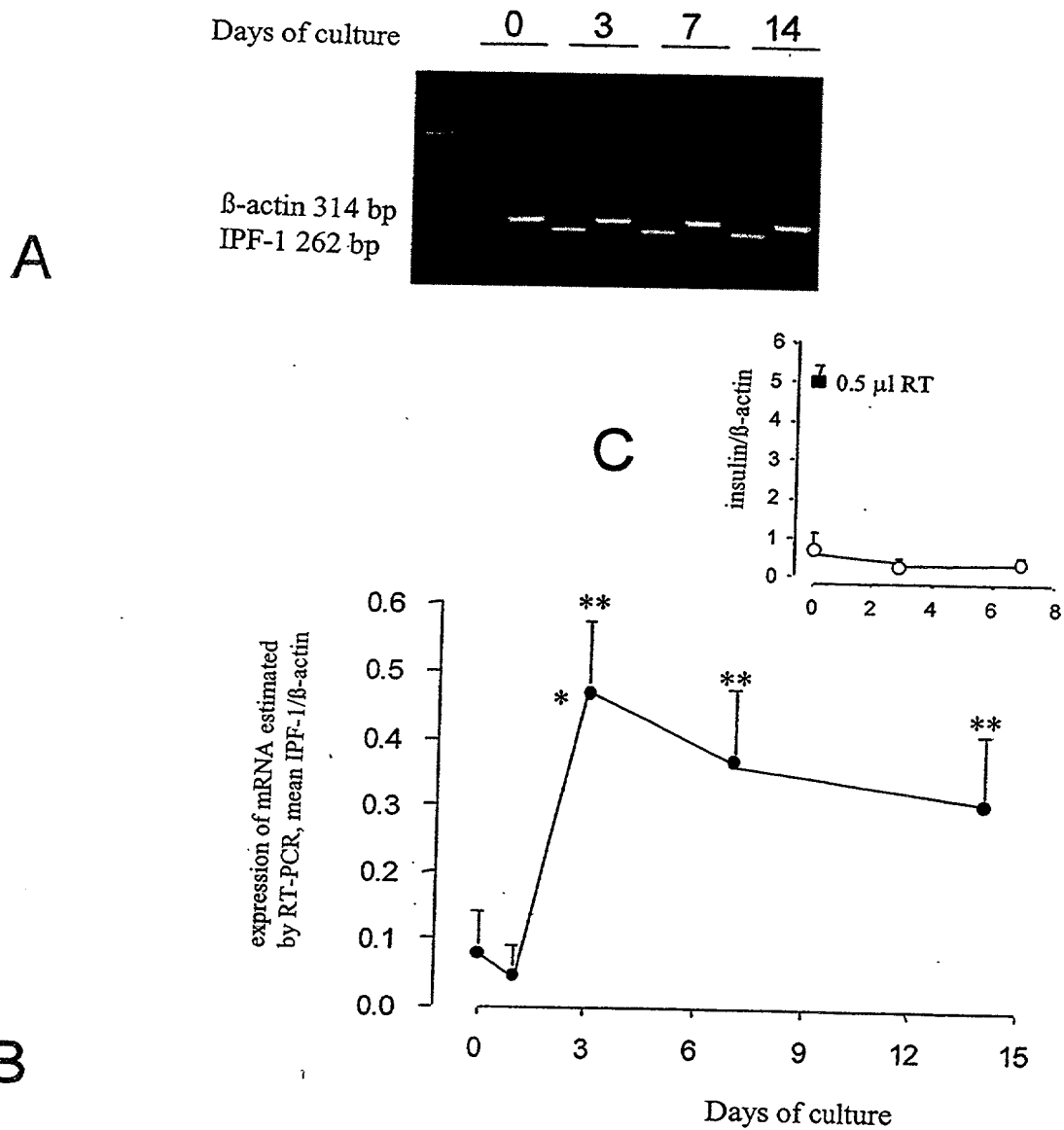


Figure 5. Characterization by immunohistochemistry of the phenotype of the ductal precursor cell cultures. The bar represent 100 μ m.

